

# Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

## Anti-ORAI1 antibody produced in rabbit

RRID:AB\_1078883

Type: Antibody

### Proper Citation

Sigma-Aldrich Cat# O8264, RRID:AB\_1078883

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_1078883](http://antibodyregistry.org/AB_1078883)

**Proper Citation:** Sigma-Aldrich Cat# O8264, RRID:AB\_1078883

**Target Antigen:** ORAI1 antibody produced in rabbit

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** Vendor recommendations: Immunofluorescence; Western Blot; indirect immunofluorescence: 10-20 mug/mL

**Antibody Name:** Anti-ORAI1 antibody produced in rabbit

**Description:** This polyclonal targets ORAI1 antibody produced in rabbit

**Target Organism:** human

**Antibody ID:** AB\_1078883

**Vendor:** Sigma-Aldrich

**Catalog Number:** O8264

**Record Creation Time:** 20250820T030043+0000

**Record Last Update:** 20250820T150648+0000

### Ratings and Alerts

No rating or validation information has been found for Anti-ORAI1 antibody produced in rabbit.

No alerts have been found for Anti-ORAI1 antibody produced in rabbit.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 11 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [dkNET](#) .

Zhao R, et al. (2026) T cell polarization and NFAT activation are stiffness dependent and differentially regulated by the channels PIEZO1 and ORAI1. Science signaling, 19(922), eadt9566.

Lopez JJ, et al. (2025) A subset of Orai1? and Orai1? subunits heteromerizes to form CRAC channels. Cell communication and signaling : CCS, 23(1), 260.

Chalmers SB, et al. (2025) Remodeling of calcium signaling and store operated calcium entry as a consequence of human neural progenitor cell differentiation. Scientific reports, 15(1), 38867.

Macias-Diaz A, et al. (2025) Orai1 plays a critical role in Orai3 synthesis and stability in luminal breast cancer cells. Cell calcium, 132, 103089.

Nieto-Felipe J, et al. (2025) Notch1 regulates Orai1 and Orai3 expression in breast cancer cells. Scientific reports, 16(1), 3229.

Grieve AG, et al. (2021) Conformational surveillance of Orai1 by a rhomboid intramembrane protease prevents inappropriate CRAC channel activation. Molecular cell, 81(23), 4784.

Baraniak JH, et al. (2021) Orai channel C-terminal peptides are key modulators of STIM-Orai coupling and calcium signal generation. Cell reports, 35(13), 109322.

Cantonero C, et al. (2020) Arachidonic Acid Attenuates Cell Proliferation, Migration and Viability by a Mechanism Independent on Calcium Entry. International journal of molecular sciences, 21(9).

Gibhardt CS, et al. (2020) Oxidative Stress-Induced STIM2 Cysteine Modifications Suppress Store-Operated Calcium Entry. Cell reports, 33(3), 108292.

Huang L, et al. (2019) Glucagon-like peptide-1 receptor pathway inhibits extracellular matrix production by mesangial cells through store-operated Ca<sup>2+</sup> channel. Experimental biology and medicine (Maywood, N.J.), 244(14), 1193.

van Vliet AR, et al. (2017) The ER Stress Sensor PERK Coordinates ER-Plasma Membrane Contact Site Formation through Interaction with Filamin-A and F-Actin Remodeling. Molecular cell, 65(5), 885.